

REMEDIAL ACTION CONSTRUCTION SUMMARY REPORT

DEMOLITION AND REMOVAL

MCCORMICK & BAXTER CREOSOTING COMPANY
PORTLAND, OREGON



May 2006

Task Order No. 71-03-21

&
ecology and environment, inc.



State of Oregon
Department of
Environmental
Quality

**Remedial Action
Construction Summary Report**

Demolition And Removal

**McCormick & Baxter
Creosoting Company
Portland, Oregon**

Task Order No. 71-03-21

May 2006

Prepared for:

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1-1 Site Location Map

List of Acronyms

AASHTO	American Association of State Highway and Transportation
AISC	American Institute of Steel Construction
ASTM	American Society for Testing and Materials
BMP	best management practices
BNSF	Burlington Northern Santa Fe
CFR	Code of Federal Regulations
COP	Construction Operations Plan
CQAP	Construction Quality Assurance Plan
DEA	Dean Evans and Associates
DEQ	Oregon Department of Environmental Quality
DIP	Ductile Iron Pipe
E & E	Ecology and Environment, Inc.
EPA	United States Environmental Protection Agency
ESA	Endangered Species Act
ESD	Explanation of Significant Difference
FWDA	Former Waste Disposal Area
McCormick & Baxter	McCormick & Baxter Creosoting Company, Portland Plant
MBI	Morse Bros., Inc.
NAPL	Non-Aqueous Phase Liquid
NEC	National Electric Code
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
NOAA	National Oceanic and Atmospheric Administration
NOAA Fisheries	National Oceanic and Atmospheric Administration National Marine Fisheries
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List

List of Acronyms (Cont.)

NSF	National Science Foundation
ODOT	Oregon Department of Transportation
OSHA	Occupational Safety and Health Administration
PAHs	polynuclear aromatic hydrocarbons
PCP	pentachlorophenol; Pollution Control Plan
PGE	Portland General Electric
PVC	Polyvinylchloride
QA	quality assurance
QC	quality control
RA	remedial action
RAOs	remedial action objectives
RCRA	Resource Conservation and Recovery Act
RD	remedial design
ROD	Record of Decision
SWPPP	Stormwater Pollution Prevention Plan

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Introduction

Ecology and Environment, Inc., (E & E) under contract with the Oregon Department of Environmental Quality (DEQ), has prepared this Remedial Action (RA) Construction Summary Report to document remedial actions implemented to address contaminated soil and groundwater at the McCormick & Baxter Creosoting Company, Portland Plant (McCormick & Baxter) Superfund Site in Portland, Oregon (Figure 1-1). This project is managed by DEQ under a cooperative agreement with the United States Environmental Protection Agency (EPA).

This document has been prepared under DEQ Task Order No. 71-03-21, which concerns implementation of remedial design/remedial action (RD/RA) activities at the site in accordance with the remedy described in the *Record of Decision* (ROD; EPA/DEQ 1996), the March 1998 *ROD Amendment* (EPA/DEQ 1998), and the August 2002 *Explanation of Significant Difference* (ESD; EPA/DEQ 2002). This report documents RA activities associated with the installation of the soil remedy by removing existing utilities, buildings, treatment systems, and other items within the site and abandoning certain monitoring and extraction wells. These activities are aggregated under the ‘Demolition and Removal’ contract and are components of the overall implementation of the soil remedy identified in the ROD (see Section 1.2, below).

1.1 Remedial Action Overview

Implementation of the soil remedy as prescribed in the ROD in the upland area of the site occurred in three phases. The phases consisted of: demolition and removal of existing structures and debris, which is documented herein, ‘Demolition and Removal’; modification of the support facility area, ‘Support Facility Modifications’; and implementation of the soil remedy in the remaining portion of the site, ‘Upland Cap’. The construction details of the other two phases are covered in separate construction summary reports.

The first phase, ‘Demolition and Removal’, documented herein, prepared the site for the ‘Upland Cap’ work by the demolition and removal of existing structures such as the maintenance shop building, multiple above-ground storage tanks, and utilities; and further prepared the site by the removal of miscellaneous debris. The second phase, ‘Support Facility Modifications’, involved the modifications

1. Introduction

necessary to implement the soil remedy requirements of the ROD: the placement of two feet of clean soil in the support area of the site, the installation of a new maintenance shop building, the installation of a hazardous material storage area, the installation of the utilities for ongoing activities at the site, and the installation of an asphalt pad throughout the support area. The final phase, 'Upland Cap', completed the soil remedy within the upland portion of the site and included the installation of a Resource Conservation and Recovery Act (RCRA)-style impermeable cap.

The initial project plan and construction sequencing was to have the phases completed serially and not concurrently. While it was expected that the 'Demolition and Removal' work would overlap to some extent with the 'Support Facility Modifications' work, the modifications to the support area were to be completed prior to the initiation of construction activities related to the 'Upland Cap' work. Delays created changes in the project plan and sequence. Some of the construction activities associated with the 'Support Facility Modifications' work were performed simultaneously with the 'Upland Cap' work and some were transferred to the Upland Cap contract, which was awarded to the same general contractor.

1.2 Site Location and Description

Located on the east bank of the Willamette River near river mile 7, the site encompasses approximately 41 acres on land and 23 acres in the river, which includes impacted sediment beyond the legal property boundaries. The site is situated downstream of Swan Island and upstream of St. John's Bridge. The upland portion is on a terrace of imported sand fill (dredged material placed in the early 1900s) within the floodplain of the Willamette River. The upland area is generally flat and lies between a 120-foot-high bluff along its northeastern border and a 20-foot-high bank along the Willamette River to the southwest. A sandy beach is exposed at the base of the bank except during periods of high river stage, which generally occurs during late winter or early spring.

The site is bordered by vacant industrial properties to the south and by a residential area on the bluff. Multiple Burlington Northern Santa Fe (BNSF) Railroad tracks on an embankment create the northwestern boundary of the site. The embankment extends to a railroad bridge crossing the Willamette River. Additionally, the Union Pacific Railroad borders the site to the northeast at the base of the bluff. The entire perimeter of the property is fenced, and warning signs are posted on the fence.

The property is accessed via the partially paved North Edgewater Street, which leads from Willamette Boulevard to the main gate near the northwest corner of the site.

1.3 Site Background and ROD Requirements

McCormick & Baxter was founded in the early 1940s to produce a variety of treated wood products during World War II. Various wood treatment processes were used at the site including pentachlorophenol (PCP), creosote formulations, ammoniacal copper/zinc arsenate, a copper/chromium/arsenic formulation, and Cellon. Site investigation between 1983 and 1990 revealed many releases of chemical compounds to soil, groundwater, and sediment. Contaminants detected at the site include polynuclear aromatic hydrocarbons (PAHs, comprising about 85% of creosote constituents), PCP, arsenic, chromium, copper, and zinc. In 1990, the wood treatment operations ceased and early remedial actions were initiated to remove process equipment, piping, tanks, treatment formulations, and other items.

The ROD identifies selected remedies for contaminated soil, sediment, and groundwater. Over the past several years, a number of inspections, investigations, and RAs have been performed at the site. For a comprehensive overview of the site background and ROD requirements refer to the *Upland Cap Construction Summary Report* generated by E & E in May of 2006 (E & E 2006).

1.4 Report Objectives and Organization

The purpose of this report is to:

- Provide a summary of the RA site activities performed, including descriptions of construction methods;
- Explain modifications made during the RA to the original RA, including a discussion of why changes were made;
- Present the daily reports provided to DEQ;
- Present a chronology of major events;
- Present Record Drawings showing the new site layout; and
- Document RA construction quantities and costs.

This report has been prepared in accordance with the *Construction Quality Assurance Plan* (CQAP) submitted by E & E to DEQ in March 2005 (E & E 2005). The organization of this report is as follows:

- Section 2 provides the details of the RA implementation including contracting and subcontracting; a summary of pre-construction and construction activities; change orders and project deviations; health and safety; community relations; documentation; and a chronology of major events;
- Section 3 documents RA construction quantities and costs; and
- Section 4 lists the references used to complete this report.

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OREGON



Portland



McCormick &
Baxter Property



ecology and environment, inc.
International Specialists in the Environment
Portland, Oregon

**McCORMICK AND BAXTER
CREOSOTING COMPANY SITE**
Portland, Oregon

Figure 1-1

SITE LOCATION MAP

Date:
1-9-06

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Remedial Action Implementation

The following subsections provide details of the RA implementation including contracting and subcontracting; pre-construction activities; construction activities, change orders and project deviations, health and safety, community relations, documentation, and chronology of major events.

2.1 Contracting and Subcontracting

E & E, under contract with DEQ, provided environmental engineering and consulting services to implement RD/RA activities including oversight of RAs and the remedial contractors. Activities were conducted in accordance with the ROD, amended ROD, Explanation of Significant Difference (ESD), and DEQ task orders. E & E was responsible for preparation of work plans, implementation of field investigation activities, preparation of data summary documents, preparation of the engineering designs and specifications related to remediation activities, and the procurement and contracting of the remedial contractor.

For the RA construction phase of the project, E & E provided construction oversight and construction management services. During construction, oversight engineers monitored contractor performance and compliance with the contract requirements, conducted inspections, and documented work progress and modifications.

After a competitive public procurement process, the construction contract was awarded by E & E to Wilder Construction (Wilder). Wilder (subcontractor to E & E) and their subcontractors were responsible for the physical implementation of the fieldwork specified in the *Contract Documents– Demolition and Removal* (E&E 2005) (*Contract Documents*). As the prime construction contractor, Wilder provided physical labor and operations management for the project. Wilder also provided project management of the subcontractors and the material and equipment vendors that were required to complete construction. Subcontractor and vendor lists are provided below.

Subcontractors:

Cascade Drilling, Inc. of Portland, Oregon provided well abandonment services.

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Munitor, Inc. of Kennewick, WA provided demolition services.

Performance Abatement Services, Inc. of Vancouver, Washington provided asbestos abatement services.

Vendors:

Foundation Equipment and Supply of Newberg, Oregon accepted steel for recycling.

2.2 Pre-Construction Activities

This section summarizes the pre-construction activities performed including meetings, submittal delivery and review procedures, and permitting.

2.2.1 Pre-Construction and Preparatory Meetings

During the week prior to construction activities, a pre-construction meeting was held. Because Wilder was already on-site working on the support facility modifications, the meeting was relatively informal. Attendees included E & E's project manager, project engineer, and oversight supervisor; and Wilder's key project personnel including the project manager and the site superintendent. The topics presented and discussed during the meeting included staff introductions, a scope of work summary, relevant documents, submittal requirements, health and safety, site access and transportation, site constraints, construction schedule and sequencing, and construction procedures and testing.

2.2.2 Submittals

Per Section 01300 of the *Contract Documents* Wilder and their subcontractors and/or vendors were required to prepare and deliver submittals to E&E including plans [e.g., construction operations plan (COP) and health and safety plan, etc.], shop drawings, and product data on materials and equipment. The submittal delivery and review procedure was established at the beginning of the project. Very few submittals were required for this construction. The steps in the submittal procedure are described in the *Upland Cap Construction Summary Report*.

The submittals were generally prepared in accordance with the time requirements specified in the *Contract Documents* and were submitted to E&E for review prior to plan implementation and/or material/equipment purchase and/or delivery. A complete set of the submittals are on file at the E&E offices in Portland and Seattle.

The submittals for this phase of the work were not numerous, as no new material was transported on-site. Therefore, significant submittals are not included in this construction summary report.

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2.2.3 Permits and Regulatory Compliance

Per the original scope-of-work, Start Cards were obtained from the Oregon Water Resources Department for all wells to be abandoned.

When asbestos was discovered on-site, E & E prepared a notification for asbestos encapsulation and submitted it to the Air Quality Division of DEQ, who approved the disposal of asbestos-covered pipe on-site.

2.3 Construction Activities

‘Demolition and Removal’ consisted of the following major construction components:

- General Mobilization;
- Shop Building Demolition;
- Storage Tanks Removal;
- Connex Container Relocation;
- Concrete Demolition and On-Site Disposal;
- Well Abandonment;
- Water Lines Removal;
- Water Lines Abandonment In-Place;
- Gas Lines Removal;
- Utility Poles Removal;
- Sheet Pile Remnants Removal;
- RCRA Hazardous Waste Handling, Transportation, and Off-Site Disposal;
- Non-Hazardous Waste Handling, Transportation, and Off-Site Disposal;
- Scrap Metal Handling, Transportation, and Recycling; and
- Demobilization.

Details related to each of these components are provided below.

2.3.1 General Mobilization

Per the general mobilization requirements of the contract, Wilder moved or relocated all equipment, fencing, and other appurtenances as necessary to facilitate work; established and constructed stockpile, staging, loading, unloading, and other work areas; and provided portable field lavatories with hand-wash stations.

2.3.2 Demolition, Dismantling, and Removal

All demolition, dismantling, and removal was performed with standard construction equipment, unless noted otherwise in the descriptions below. The actual equipment is listed in the *Daily Field Reports*, which are included in Appendix A. All metal equipment or items that left the site were steam power washed, as specified, before leaving. E & E personnel were on-site during all

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activities to observe operations, help ensure compliance with the Contract Documents, and record quantities.

Shop Building Demolition

Items within the building were consolidated, and either relocated or disposed of prior to the commencement of demolition. The roof and skin of the shop building was removed using an excavator with a ‘thumb’ bucket. In a no-cost change order, the Contractor was allowed to have Munitor, a subcontractor working for E & E, salvage the frame for use on the subcontractor’s property.

Storage Tanks Removal

All storage tanks were inerted and cut open, cut into manageable-size pieces and decontaminated. There was a coating on the inside of one tank that could not be removed by decontamination.

Connex Container Relocation

The contents of the box, which contained the treatment system for extracted non-aqueous phase liquid (NAPL) at the former waste disposal area (FWDA), were removed, decontaminated and staged for disposal. The box itself was transported to a location near the support area. After the support area was complete, the box was transported to the east side of the new shop building, to be used for storage.

Concrete Demolition and On-Site Disposal

Concrete originating from the old shop building slab, tank supports, and miscellaneous areas was broken into pieces and transported to an on-site debris disposal area for burial. The debris disposal area was moved from the design location to a location just northeast of the “Buried Concrete Debris” area shown in the drawings.

Well Abandonment

Start Cards were obtained for all wells to be abandoned. The wells were then abandoned in accordance with Oregon regulations, as specified.

Water Lines Removal

A trench was excavated to expose the water lines, the water lines were removed, and then the trench was backfilled. Two unexpected incidents occurred while removing the water lines. The first occurred while removing the water line that extended into the property to the south of the site. This line had been reported as abandoned by the City of Portland; however, upon being cut, a significant volume of water flowed into the trench and ponded at the southern end of the site. As was eventually discovered, the line had been abandoned but only by shutting the supply valve to the line, which remained charged. Wilder placed a blind flange with a thrust block on the abandoned line at the site property line. The line inside the site was removed. The second incident that occurred while removing the water lines was that some of the pipe to be removed was noted to have a fibrous

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coating; the coating was sampled and was determined to be asbestos-containing material. Permission was granted by the DEQ Project Manager to bury the pipe on-site. A subcontractor with appropriate licenses to handle asbestos was utilized to wrap the pipe in visqueen and load it for internment on-site.

Water Lines Abandonment In-Place

The line to be abandoned in-place ran beneath the topsoil stockpile, where it could not be accessed for removal. This line was filled with cement grout. The volume pumped into it was almost identical to the theoretical volume to be filled.

Gas Lines Removal

Gas lines were removed in a way similar to the water line removal.

Utility Poles Removal

Utility poles carried components owned by Portland General Electric (PGE), the local electric utility. PGE was given the opportunity to remove these components and salvage the poles. Poles were cut near the ground surface and the portions that had not been buried were transported off-site for disposal. The portions of the poles that had been buried were interred on-site. Originally, the intent was to demolish the line of poles extending along the south toe of the BNSF railroad embankment. However, these poles supported electric and telephone lines serving the BNSF, and they could not be demolished. Therefore, they were deleted from the *Demolition and Removal* contract. E & E made separate arrangements directly with PGE to modify certain poles, as necessary, to be compatible with the upland cap.

Sheet Pile Remnants Removal

Sheet pile remnants were excess from the barrier wall construction. They were transported off-site for salvage.

Other Items

A small septic tank was uncovered just west of the support area, as were communication wires in conduit. Both apparently had been associated with the old McCormick and Baxter office, which reportedly had been adjacent. The septic tank was partially full of liquid, which had a slight sheen. The septic tank was backfilled and the exposed communication lines were removed.

2.3.3 Waste Handling, Transportation, and Off-Site Disposal

RCRA Hazardous Waste Handling, Transportation, and Off-Site Disposal

Hazardous waste was removed from the site and transported to either Burlington Environmental, Inc in Kent, Washington; Burlington Environmental, Inc in Tacoma, Washington; or CWMNW, Inc in Arlington, OR.

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Non-Hazardous Waste Handling, Transportation, and Off-Site Disposal

Non-hazardous waste was handled by Waste Management and taken off-site to the Hillsboro landfill.

Scrap Metal Handling, Transportation, and Recycling

Scrap metal was transported to Schnitzer Steel Products by Bob's Metal Inc; and scrap sheet pile material was taken to Foundation Equipment and Supply, Inc. for recycling.

2.4 Change Orders and Project Deviations

Project activities were modified in response to unexpected conditions, requests for additional work, and adjustments to the site work directed by DEQ and E&E. Two change orders were issued during the project. Change Order No. 1 adjusted estimated quantities to actual quantities and included an accounting of Force Account work. Change Order No. 2 reiterated Change Order No. 1, except it corrected accounting to be consistent with the Contract. The following list contains a brief description of the work performed under Force Account:

- Waterline break;
- Dump drum soils;
- Waterline repair;
- Extend decontamination pad;
- Excavate rubble burial and asbestos-containing material pipe burial pits;
- Asbestos-containing material pipe disposal;
- Decontaminate drums;
- Decommission hydrant at soil stockpile;
- Move transformer and move asbestos-containing material pipe debris;
- Cut and bury 2,000 gal tank; and
- Excavate product line.

Copies of the change orders are included in Appendix B.

2.5 Health and Safety

E & E site personnel, in conjunction with the construction contractor's personnel, were responsible for providing guidance and inspections to ensure proper health and safety procedures were followed at the site during construction activities. All contractors and consultants performing work on the site developed and implemented their own site safety plans in accordance with the provisions of the Occupational Safety and Health Administration (OSHA) Standards (29 CFR 1910) and General Construction Standards (29 CFR 1926), including OSHA Hazardous Waste Operations and Emergency Response, Interim Final Rule (29 CFR 1910.120). Compliance with all other applicable federal, state, and local laws and regulations was also required.

2. Remedial Action Implementation

A formal safety meeting was held at the beginning of the project to review safety procedures with all site personnel and inform workers of potential hazards. Daily safety meetings to discuss physical and chemical hazards associated with the day's activities were conducted each morning before work began. Site safety briefings were also conducted for all new personnel reporting to the site and for all visitors to the site.

Protective clothing, such as a hard hat, steel-toed boots, safety vests, and safety glasses, was required for entry into the site's work zones. The primary physical hazards at the site included heavy equipment operation, trench excavation, noise, slips, trips and falls. The major health and safety concern related to contamination on-site was dermal contact and/or ingestion of the contaminated matter and inhalation of vapors and/or contaminated particulates (i.e., dust). During dry conditions, Wilder controlled dust by water application with a water truck to help prevent on-site personnel and the public from being exposed to airborne contamination.

2.6 Community Relations

During project planning, the McCormick & Baxter site was identified as a potential archaeologically sensitive area. The site is also situated in close proximity to a residential neighborhood and receives substantial public and media attention because of its listing on the National Priorities List (NPL). The following sections describe activities employed by DEQ to maintain a proactive approach to community relations prior to and during construction.

2.6.1 Public Outreach and Town Meetings

Prior to construction, DEQ representatives attended public meetings and distributed Fact Sheets to the local community (e.g., neighborhood associations). DEQ and the community were able to exchange information/concerns and answer questions. This approach enabled construction to proceed with support of the local community and avoid conflicts that could potentially slow or stop construction.

To appease nearby residents' concerns regarding noise, the contract specifications required that work hours be restricted from 7 AM to 6 PM, Monday through Friday. These work hours were strictly enforced and adhered to by site personnel.

2.6.2 Media and Site Tours

As previously stated, the McCormick & Baxter site is a high profile site due to its listing on the NPL. As such, increased media exposure during this project was anticipated.

Prior to construction, site workers were instructed not to engage the media, but to direct all questions to DEQ's Public Information Officer. Additionally, all site access for media personnel was restricted unless approved by the DEQ.

2. Remedial Action Implementation

Various site tours were conducted by DEQ or E & E for either the media or other interested parties. For a detailed reporting on the site tours refer to the Construction Summary for the Upland Cap.

2.7 Documentation

2.7.1 Oversight Documentation

E & E oversight engineers completed construction reports on a daily basis. Copies of the *Daily Field Reports* are included as Appendix A. Items recorded in each report included weather conditions, on-site personnel, site visitors, major equipment used, materials delivered to the site, non-conformances noted, and safety concerns noted.

E & E engineers also maintained field activity logbooks which included detailed documentation of materials or equipment delivered, records of inspections performed, work progress, planned activities, a photo-documentation log, reports of minor field changes, and field problems. A digital camera was used for photo-documentation. Select photos are included in Appendix C.

2.7.2 Employee and Visitor Log

An Employee and Visitor Log was maintained by E&E for the duration of the project. All personnel working at or visiting the site were required to sign the log and provide information including date, name, address, affiliation, purpose for visit, time in, and time out.

2.7.3 Weekly Progress Meetings

Each week, E&E and Wilder held a weekly progress meeting to discuss project issues including, but not limited to, schedule, installation progress, submittals, problems encountered, and health and safety. Attendees included E & E's project manager, project engineer, and oversight engineer; and Wilder's project manager and Superintendent. Following each meeting, meeting minutes were developed. After each meeting, E & E also prepared a Summary of Action Items, which identified tasks to be completed by each party, as discussed in the progress meeting.

2.7.4 Record Drawings

The record drawings are included in an appendix to the *Construction Summary Report for the Upland Cap* (E & E 2006). Since the *Demolition and Removal* contract involved installation of virtually nothing, no separate set of record drawings was developed for the contract.

2.8 Demobilization

Following construction completion, Wilder performed the following restoration and demobilization activities:

2. Remedial Action Implementation

- Decontaminated and demobilized construction equipment,
- Demobilized field office and other temporary facilities, and
- Cleared site of waste materials, rubbish, and debris (disposed off site).

2.9 Chronology of Major Events

Major events that occurred during the ‘Demolition and Removal’ contract are listed below.

- **04/19/05** – Contract is awarded to Wilder.
- **04/28/05** – Notice to Proceed is issued to Wilder.
- **04/27/05** – Pre-construction meeting at the site.
- **05/02/05** – Wilder mobilizes to the site and begins water line excavation. Cascade Drilling begins well abandonment.
- **05/04/05** – Wilder begins conduit excavation.
- **05/05/05** – Wilder begins excavating the water line at the south end of the site and discovers the line is under pressure when water begins flooding the trench. The water line was thought to be abandoned. The City of Portland Water Authority shut the water off. Cascade Drilling begins decommissioning inclinometers.
- **05/06/05** – Wilder begins removing listed equipment from the shop building, and preparing the connex box for relocation from the FWDA area to the area near the site trailer. Wilder starts crushing a mixing tank just outside of the shop building without proper containment, resulting in sludge and product releasing to the ground surface. E&E informs Wilder’s Superintendent immediately; the Superintendent stops the activity and directs the crew to clean up the spill, which generates two drums of contaminated soil. The City of Portland visits the site to examine the broken water line.
- **05/09/05** – Wilder removes the remaining equipment from the connex box located in the FWDA and moves it to a location near the site trailer.
- **05/11/05** – Wilder begins emptying drums of soil cuttings that were generated from on-site drilling into the disposal pit.
- **05/12/05** – Munitor (with assistance from E & E) extracts approximately 330 gallons of product from the aboveground storage tank and oil-water separator north of the shop building. Results from testing of the coating

2. Remedial Action Implementation

around extracted waterline indicate that it contains asbestos. E & E and DEQ discuss how to handle the pipe.

- **05/13/05** – Wilder removes remaining sheet pile from the site (to be salvaged by Foundation Equipment and Supply of Newberg, Oregon). Wilder begins backfilling the end of the water line coming onto the site from the south. Munitor begins shop building demolition.
- **05/17/05** – Wilder decontaminates the yellow tank adjacent to the rear of the shop building and removes all of the remaining hazardous and non-hazardous materials from the shop. Wilder also cuts up the oil/water separator and places it in the hazardous material roll-off.
- **05/19/05** – Wilder decontaminates the 3,000 gallon tank with the steam power washer. Wilder's attempt to decontaminate the 2,000 gallon tank is unsuccessful with visible hardened contamination remaining in the tank. Ampere Electric installs the power pole at the site entrance and establishes power for the site trailer via generator.
- **05/20/05** – Wilder decontaminates the 7,000 gallon tank with the steam power washer. Wilder dismantles the mixing tank previously located in the shop building, and segregates all hazardous and non-hazardous 55-gallon drums on site.
- **05/23/05** – Wilder excavates the pit for the disposal of water pipe containing asbestos wrap. Wilder also buries the oversized concrete located at the south end of the site at the pre-determined location. PGE installs the replacement utility pole outside the north fence line.
- **05/24/05** – After dismantling the steel structure of the shop building, Munitor begins demolition of the concrete floor. Wilder separates and stages all non-asbestos water pipe for transport, and begins placing pipe containing asbestos in the disposal pit.
- **05/25/05** – Performance Abatement Services Inc. begins encapsulating asbestos-wrapped water in accordance with work directive EE -WC-03.
- **06/02/05** – Wilder begins backfilling the debris pit. Munitor transports the 7,000 gallon tank off site to Schnitzer Steel Products for recycle and stages the haul trailer for scrap steel.
- **06/03/05** – Wilder begins shipping scrap metal and excavated water pipe to Schnitzer Steel Products for recycle.
- **06/06/05** – Wilder excavates a hydrant located south of the soil pile.

2. Remedial Action Implementation

- **06/07/05** – Wilder begins shipping out 55-gallon hazardous drums. Wilder begins burial of the asphalt pile in the debris pit. PGE removes and collects a sample from the non-PGE transformer. PGE also cuts down two utility poles designated for removal. Philips Resource and Recovery removes seven totes of hazardous material that were not on the old shop building inventory list.
- **06/09/05** – Wilder begins cutting up the 2,000 gallon tank. Wilder discovers a septic tank on the west side of the support facility pad.
- **06/10/05** – Wilder buries the 2,000 gallon tank. Chain link fencing is installed at the site entrance. The backflow preventer vault is also installed.
- **06/15/05** – The abandoned in-place water line under the top soil stockpile is grouted.
- **06/17/05** – Wilder removes a small systems product pipe attached to MW36. Wilder demobilizes from site.

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Project Quantities and Costs

A detailed summary of the RA construction quantities and costs is presented in the *Construction Summary for the Upland Cap* (E & E 2006).

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References

Ecology and Environment, Inc. (E & E), May 2006, *Construction Summary Report for the Upland Cap*, submitted to DEQ, prepared by E & E-Portland, OR.

_____, February 2005, *Contract Documents for the Support Facility Modifications*, submitted to DEQ, prepared by E & E-Portland, OR.

National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NOAA Fisheries), 2002, *Biological Opinion for Construction of the Barrier Wall at the McCormick & Baxter Creosoting Company Superfund Site, Willamette River, Portland, Oregon*, submitted to EPA, Oregon Operations Office.

Oregon Department of Environmental Quality (DEQ), October 2001, *Five-Year Review Report for McCormick & Baxter Creosoting Company Superfund Site, Portland, ORD009020603, Oregon*.

Oregon Department of Transportation (ODOT), 2002, *Standard Specifications*

United States Environmental Protection Agency (EPA), June 2002, *The Biological Assessment (BA) for McCormick & Baxter Creosoting Company, Portland, Oregon*, submitted to the National Marine Fisheries Service (NOAA Fisheries).

_____, 1995, *Remedial Design/Remedial Action Handbook* (EPA 540/R-95-059).

_____, August 2002, *Explanation of Significant Difference (OU3 – Final Groundwater)*, prepared for the McCormick & Baxter Creosoting Site, Portland, Oregon.

_____, March 1998, *Amended Record of Decision*, prepared for the McCormick & Baxter Creosoting Site, Portland, Oregon.

_____, 1996, *Record of Decision*, prepared for McCormick & Baxter Creosoting Company, Portland, Oregon.

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Daily Field Reports

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ecology and environment, inc.

DAILY FIELD REPORT NO.: 1

Date: 05/02/05 Day: Monday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: <u>58</u> °F	Clean: <u>x</u>
Part Cldy: <u>x</u>	Midday: <u>64</u> °F	Dusty: _____
Overcast: _____	Afternoon: <u>68</u> °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	4	Prime Contractor
Cascade Drilling, Inc	3	Subcontractor

VISITORS

Time In	Time Out	Name	Representing	Remarks
11:40	11:45	John Davis	PGE	Test Electric Meter

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Excavator Hitachi Zaxis 135	None
Backhoe John Deer 310E Approx.6.5 hrs.	
Vibromax Roller	
John Deere 200C Excavator Approx. 6.5 hrs.	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Wilder Construction excavated 530' of 8" water line; 30' of 4" water line; 10' of 1-1/2" water line; and 130' of 6" gas line (later determined to be water line; Daily Report #2).
2. Cascade Drilling, Inc. abandoned the following wells: MW-1, EW-12S and MW-JS.

NOTES/ISSUES
The 6" gas line was located 3' northeast of the water line near the Shop Building.

Prepared By: E & E Field Staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 2

Date: 05/03/05 Day: Tuesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <u>x</u>	Morning: <u>58</u> °F	Clean: <u>x</u>
Part Cldy: <u></u>	Midday: <u>65</u> °F	Dusty: <u></u>
Overcast: <u></u>	Afternoon: <u>68</u> °F	Muddy: <u></u>
Rain: <u></u>		Other: <u></u>
Fog: <u></u>		
Snow: <u></u>		
Other: <u></u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Cascade Drilling, Inc	2	Subcontractor

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Excavator Hitachi Zaxis 135	None
Backhoe John Deer 310E Approx. 6 hrs.	
Vibromax Roller	
John Deere 200C Excavator Approx. 6 hrs.	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Wilder Construction excavated 1,555 linear feet of 8" water pipe.
2. Cascade Drilling, Inc. decommissioned the following wells: MW-Cs, MW-11s, and MW-Ni

NOTES/ISSUES
1. The pipe excavated 5/2/03 that was thought to be gas pipe is water pipe.

Prepared By: E & E Field Staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 3

Date: 05/04/05 Day: Wednesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <u>x</u>	Morning: <u>51</u> °F	Clean: <u>x</u>
Part Cldy: <u>x</u>	Midday: <u>60</u> °F	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u>67</u> °F	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Cascade Drilling, Inc	2	Subcontractor

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Excavator Hitachi Zaxis 135	None
Backhoe John Deer 310E Approx. 7 hrs.	
Vibromax Roller	
John Deere 200C Excavator Approx. 7 hrs.	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Wilder Construction excavated 51' of 6" pipe, 975" of 4" pipe, 433' of 2" pipe, and 256' of 1" conduit.
2. Cascade Drilling, Inc. decommissioned the following wells: EW-17s, EW-5s, and MW-5s.

NOTES/ISSUES
None

Prepared By: E & E Field Staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 4

Date: 05/05/05 Day: Thursday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: x
Part Cldy: _____	Midday: 64 °F	Dusty: _____
Overcast: x	Afternoon: 70 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Cascade Drilling, Inc	2	Subcontractor

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Excavator Hitachi Zaxis 135	None
Backhoe John Deer 310E Approx. 7 hrs.	
Vibromax Roller	
John Deere 200C Excavator Approx. 6 hrs.	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Wilder Construction excavated 455' of 6" pipe, and 47' of 2" pipe.
2. Cascade Drilling, Inc. decommissioned the following wells: EW-25s, MW-Rs, MW-33s, and Inclimeter # 1.

NOTES/ISSUES
Wilder Construction began excavating the water line at the south end of the site and discovered the line was under pressure causing water to flood the trench. This pipe was thought to be abandoned. The city of Portland Water Athourity responded and shut off the water. All water remained on the site and the pipe will be capped tomorrow.

Prepared By: E & E Field Staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 5

Date: 05/06/05 **Day:** Friday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: <u>60</u> °F	Clean: <u>x</u>
Part Cldy: _____	Midday: <u>64</u> °F	Dusty: _____
Overcast: <u>x</u>	Afternoon: <u>70</u> °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Cascade Drilling, Inc	2	Subcontractor

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE

Excavator Hitachi Zaxis 135 0 hours
Backhoe John Deer 310E Approx. 7 hrs.
450 Cat bulldozer 0 hours
John Deere 200C Excavator Approx. 7 hrs.

MATERIALS DELIVERED TO SITE

None

NONCONFORMANCE NOTED

Inappropriate handling of the residual sludge and no containment when processing contaminated equipment for disposal (see Note 1).

WHO WAS NOTIFIED?

John Montgomery, Zander Whitman, and Wilder Construction

SAFETY CONCERNS NOTED

None noted.

WHO WAS NOTIFIED?

WORK COMPLETED

1. Wilder Construction removed some of the listed equipment from the shop and began the process of preparing the connex box located in the FWDA for movement to the area around the shop.
2. Cascade Drilling, Inc. decommissioned EW-16s, EW-14s, EW-ES, and Inclinator I-1 (per Daily Report 6, Inclinator I-2 was abandoned, not I-1).

NOTES/ISSUES

1. E&E observed Wilder Construction crushing a mixing tank just outside of the shop building without proper containment. Sludge and product were released to the ground surface. The Superintendent was informed immediately. The Superintendent stopped the activity and directed the crew to clean up spill. Two drums of contaminated soil were generated.
2. The City of Portland sent multiple people to the site today to examine the broken water line. Wilder Construction was told by the City that an abandoned water line just means that it did not have active service on it. It does not mean that it is not charged, and they said that it is charged to supply fire hydrants if needed around Triangle Park.
3. Wilder Construction spent approximately one hour of a laborer's time and an excavator with operator dealing with the broken water line, and three hours of extra time were exerted by the Superintendent coordinating the efforts with the City.

Prepared By: E & E Field Staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 6

Date: 05/09/05 Day: Monday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 55 °F	Clean: _____
Part Cldy: _____	Midday: 60 °F	Dusty: _____
Overcast: _____	Afternoon: 60 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Cascade Drilling, Inc	2	Subcontractor
Munitor Construction	1	E & E subcontractor assisting with the removal of extraneous equipment.

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E Approx. 7 hrs.	None
450 Cat bulldozer 0 hours	
John Deere 200C Excavator Approx. 7 hrs.	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED

- Wilder Construction removed the remaining equipment from the connex box located in the FWDA and moved it to a location near the site trailer. Wilder found that the oil water separator was not empty. It contained approximately 500 gallons of contaminated water. Mark Anderson of Munitor assisted Wilder with the removal of the water.
- Cascade Drilling, Inc. decommissioned EW-22s and MW-14s (See Note 1 below).

NOTES/ISSUES

1. Cascade drilling was unable to locate I-1. This is a correction to Friday's report that I-1 was abandoned. It was I-2 that was abandoned on Friday. The casing black ABS plastic marked as I-1 is not a slope indicator casing. It has a 4-inch metal well casing, which is not the appropriate type for an inclinometer. Cascade attempted to sound the bottom with a sounding tape that would not fit the 2 1/4-inch casing of an inclinometer. John Montgomery was informed that the marked well was not an inclinometer. He stated that it will require abandonment. Cascade drilling was not able to abandon the well due to insufficient information about how the well (if it is one) is constructed.

Prepared By: E & E Field Staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 8

Date: 05/11/05 Day: Wednesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: <u>55</u> °F	Clean: _____
Part Cldy: _____	Midday: <u>60</u> °F	Dusty: _____
Overcast: <u>x</u>	Afternoon: <u>60</u> °F	Muddy: <u>x</u>
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	1	E & E subcontractor assisting with the removal of extraneous equipment.

VISITORS

Time In	Time Out	Name	Representing	Remarks
13:15	15:15	Pat Turina	Wilder Construction	Weekly meeting
13:15	15:15	John Montgomery	Ecology and Environment	Weekly meeting

MAJOR EQUIPMENT CURRENTLY ON SITE

Backhoe John Deer 310E Approx. 7 hrs.
450 Cat bulldozer 0 hours
John Deere 200C Excavator Approx. 7 hrs.

MATERIALS DELIVERED TO SITE

None

NONCONFORMANCE NOTED

None noted.

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

None noted.

WHO WAS NOTIFIED?

WORK COMPLETED

1. Wilder Construction emptied 23 drums of soil cuttings from on-site drilling into the disposal pit

NOTES/ISSUES

None

Prepared By:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 9

Date: 05/12/05 Day: Thursday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: x	Morning: 60 °F	Clean:
Part Cldy: x	Midday: 70 °F	Dusty:
Overcast:	Afternoon: 75 °F	Muddy: x
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	1	E & E subcontractor assisting with the removal of extraneous equipment.

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE		MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	Approx. 0 hrs.	One truck load of concrete
450 Cat bulldozer	0 hours	
Hyster 210 Forklift	0 hours delivered today	
John Deere 200C Excavator	Approx. 4.5 hrs.	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
Results from testing of the coating around the extracted waterline indicated the presence of Asbestos.	Wilder, E&E field staff, and DEQ

WORK COMPLETED

1. Wilder Construction worked a partial day today due to the stop work order. They placed the remaining soil cuttings from the MW-1 exploration drilling in the disposal pit and capped and poured a thrust block on the end of the waterline at the south end of the property.

2. Munitor Construction (with assistance from Ecology and Environment) extracted approximately 330 gallons of product from the above ground storage tank to the north of the shop building and from the oil-water separator.

NOTES/ISSUES

1. Results from testing of the coating around the extracted waterline indicated that it contains asbestos. Ecology and Environment and DEQ are determining how to handle the pipe. Wilder Construction is planning to segregate this pipe from the non-coated pipe tomorrow.

Prepared By: A. Murphy



ecology and environment, inc.

DAILY FIELD REPORT NO.: 10

Date: 05/13/05 Day: Friday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: x	Morning: 60 °F	Clean:
Part Cldy: x	Midday: 70 °F	Dusty:
Overcast:	Afternoon: 75 °F	Muddy: x
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	3	E & E subcontractor assisting with the removal of extraneous equipment.

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE

Backhoe John Deer 310E	4	hours
450 Cat bulldozer	5	hours
Hyster 210 Forklift	2.5	hours
John Deere 200C Excavator	4	hours

MATERIALS DELIVERED TO SITE

One truck load of concrete

NONCONFORMANCE NOTED

None noted.

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

Apparent uncertainty in responsibility regarding SSHASP for Munitor during building demolition.

WHO WAS NOTIFIED?

Don Davis, John Montgomery

WORK COMPLETED

1. Wilder removed the sheet pile from site today. The salvage company accepting the sheet pile is Foundation Equipment and Supply of Newberg, Or.
2. Wilder placed the oil water separator into the containment area next to the shop building and removed the screens to expose the collection chambers. Some residual product remains and is planned to be removed by Phillips Services on Monday morning.
3. Wilder backfilled the end of the waterline pipe coming onto the site from the south this morning.
4. Wilder removed some additional conduit and small diameter waterline from an area near the disposal pit location. Drainage piping for the Upland Cap may have been in conflict and therefore, removal was necessary.
5. Munitor began shop building demolition today. The electrical system was shutdown within the shop. The only remaining power according to Munitor is the power supply to the trailer. Wood panels on the upper floor were removed, walls of the lower storage area were removed, and wall mounted water supplies were removed.

NOTES/ISSUES

Ecology and Environment will clarify safety requirements and the roles and responsibilities regarding Munitor during shop building demolition during the morning safety meeting Monday.

Prepared By: A. Murphy



ecology and environment, inc.

DAILY FIELD REPORT NO.: 11

Date: 05/16/05 **Day:** Monday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: <u>60</u> °F	Clean: _____
Part Cldy: _____	Midday: <u>70</u> °F	Dusty: _____
Overcast: <u>x</u>	Afternoon: <u>75</u> °F	Muddy: <u>x</u>
Rain: <u>x</u>		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	3	Building demolition
Munitor Construction	1	E & E subcontractor assisting with the removal of extraneous equipment.
Phillips Services	1	E & E subcontractor to remove liquids from drums and residual from tanks.

VISITORS

Time In	Time Out	Name	Representing	Remarks
12:11	12:45	Jim Shilanch	Phillips Alarm	

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E 6 hours	4 hazardous material totes
Genie Lift (Munitor) 3 hours	
Backhoe Case 580 (Munitor) 2.5 hours	
450 Cat bulldozer 0 hours	
Hyster 210 Forklift 0 hours	
John Deere 200C Excavator 4 hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
Apparent uncertainty in responsibility regarding SSHASP for Munitor during building demolition	Pat Turina

WORK COMPLETED

- Wilder washed down the FWDA tank today and removed most of the remaining hazardous and non-hazardous materials from shop. Three drums of wash oil water were produced from the cleaning. E&E has made arrangement to dispose of the wash water once operations are completed.
- Munitor dismantled the upper floor and walls in the shop building. Wilder assisted Munitor by disposing of the non-hazardous materials. The material was placed directly in a roll-off box.
- E&E and Munitor coordinated the removal of approximately 1550 gallons of free liquid from the site today.

NOTES/ISSUES

- E&E informed Munitor that they were not to work while Don Davis (Wilder's Site Safety Officer) was not on-site. E&E informed Wilder and Munitor that they were not the Prime Contractor. Munitor agreed to work during regular hours when Wilder was on-site.
- E&E requested the required submittals and Work Plan prior to transporting waste off-site

Prepared By: A. Murphy



ecology and environment, inc.

DAILY FIELD REPORT NO.: 12

Date: 05/18/05 Day: Wednesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 55 °F	Clean: _____
Part Cldy: x	Midday: 58 °F	Dusty: _____
Overcast: x	Afternoon: 63 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	5	Building Demolition
Munitor Construction	1	E & E subcontractor assisting with the removal of extraneous equipment.
Phillips Services	1	E & E subcontractor to remove liquids from drums and residual from tanks.

VISITORS				
Time In	Time Out	Name	Representing	Remarks
12:20	16:45	Steve Campbell	Oregon DEQ	Progress Meeting
12:20	16:45	Kevin Parrett	Oregon DEQ	Progress Meeting
11:30	16:20	Chad Nancarrow	Ecology and Environment, Inc.	

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	3	hours	none
Genie Lift (Munitor)	1	hours	
Backhoe Case 580 (Munitor)	0	hours	
450 Cat bulldozer	0	hours	
Hyster 210 Forklift	0	hours	
John Deere 200C Excavator	5	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None	

WORK COMPLETED

1. Wilder deconed the yellow tank adjacent to the rear of the shop building today and removed all of the remaining hazardous and non-hazardous materials from shop. Wilder also cut up the oil/water separator and placed it in the haz material roll-off.

2. Munitor dismantled the east and west walls in the shop building. Wilder Construction assisted Munitor by decontaminating the sheet metal walls and placing them in the transport trailer.

3. E&E and Munitor coordinated the removal of approximately 7 totes of material from the shop building consisting of sorbent pads, oil booms, used bailers, 5-gallon buckets and personal protection equipment. E&E will coordinate with Phillips Services to remove the material from site.

NOTES/ISSUES

1. E&E informed Munitor Construction that they were not to work while Don Davis (Wilder's Site Safety Officer) was not on-site.

2. E&E again requested the required submittals and Work Plan from Wilder Construction prior to transporting waste off-site.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 13

Date: 05/18/05 Day: Wednesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 55 °F	Clean: _____
Part Cldy: x	Midday: 58 °F	Dusty: _____
Overcast: x	Afternoon: 63 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	5	Building Demolition

VISITORS				
Time In	Time Out	Name	Representing	Remarks
12:20	16:45	Steve Campbell	Oregon DEQ	Progress Meeting
12:20	16:45	Kevin Parrett	Oregon DEQ	Progress Meeting

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	4	hours	none
Genie Lift (Munitor)	0	hours	
Backhoe Case 580 (Munitor)	0	hours	
450 Cat bulldozer	0	hours	
Hyster 210 Forklift	0	hours	
John Deere 200C Excavator	5	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
Electricity not shut off to the shop building while Munitor was performing demolition.	Wilder's SSO, Don Davis

WORK COMPLETED
1. Wilder deconned sections of the shop building walls left over from yesterday and placed them in the haul trailer to transport off site as non-hazardous material. Wilder also removed all debris located near the power pole location and placed it in the debris pit on site.
2. Munitor dismantled a small section of the shop building roof. Wilder assisted Munitor by decontaminating the sheet metal walls and placing them in the transport trailer. One trailer load of sheet metal was transported off site.

NOTES/ISSUES
1. Wilder directed Munitor to stop work on the shop building roof due to the electricity not being terminated and high wind gusts.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 14

Date: 05/19/05 Day: Thursday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 49 °F	Clean: _____
Part Cldy: x	Middy: 55 °F	Dusty: _____
Overcast: x	Afternoon: 61 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	5	Building Demolition
Ampere Electric Co.	3	Electric Contractor

VISITORS				
Time In	Time Out	Name	Representing	Remarks
7:45	8:10	Elliss Brown	PGE	Disconnect Power to Shop Building
9:55	10:01	John Davis	PGE	Read Electric Meters

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	6	hours	none
Genie Lift (Munitor)	4	hours	
Backhoe Case 580 (Munitor)	4	hours	
450 Cat bulldozer	0	hours	
Hyster 210 Forklift	0	hours	
John Deere 200C Excavator	6	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
Munitor stopped all work for the day at 14:12 due to heavy rain and lightning in the area.	Wilder's SSO Don Davis

WORK COMPLETED
1. Wilder decontaminated the 3,000 gallon tank with the steam power washer, generating one 55-gallon drum of hazardous decon water. Visual inspection determined the tank to be non-hazardous. Wilder's attempt to decontaminate the 2,000 gallon tank was unsuccessful with visible hardened contamination remaining in the tank.
2. Munitor dismantled 50% of the shop building roof. Wilder assisted Munitor by decontaminating the sheet metal walls and placing them in the transport trailer. One trailer load of sheet metal was transported off site.
3. Ampere Electric installed the power pole at the site entrance and established power for the site trailer via generator.

NOTES/ISSUES
1. Phillips Electronics were notified that the alarm for the site trailer would not be operational until permanent power has been re-established.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 15

Date: 05/20/05 Day: Friday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 50 °F	Clean: _____
Part Cldy: x	Midday: 56 °F	Dusty: _____
Overcast: x	Afternoon: 63 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	5	Building Demolition

VISITORS

Time In	Time Out	Name	Representing	Remarks
9:55				

MAJOR EQUIPMENT CURRENTLY ON SITE

Backhoe John Deer 310E	5	hours
Genie Lift (Munitor)	5	hours
Backhoe Case 580 (Munitor)	4	hours
450 Cat bulldozer	0	hours
Hyster 210 Forklift	0	hours
John Deere 200C Excavator	5	hours

MATERIALS DELIVERED TO SITE

none

NONCONFORMANCE NOTED

None noted.

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

None

WHO WAS NOTIFIED?

WORK COMPLETED

1. Wilder completed decontamination of the 7,000 gallon tank with the steam power washer, generating two - 55 gallon drums of hazardous decon water. Visual inspection determined the tank to be non-hazardous. Wilder completed dismantling the mixing tank previously located in the shop building, and also segregated all hazardous and non-hazardous 55-gallon drums on site.
2. Munitor completed dismantling of all of the sheet metal roof and walls from the shop building. Wilder assisted Munitor by decontaminating the sheet metal walls and placing them in the transport trailer.

NOTES/ISSUES

None

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 16

Date: 05/23/05 **Day:** Monday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 47 °F	Clean: _____
Part Cldy: x	Midday: 55 °F	Dusty: _____
Overcast: _____	Afternoon: 68 °F	Muddy: x
Rain: _____		Other: _____
Fog: x		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	3	Building Demolition

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	5	hours	none
Genie Lift (Munitor)	5	hours	
Backhoe Case 580 (Munitor)	4	hours	
450 Cat bulldozer	0	hours	
Hyster 210 Forklift	0	hours	
John Deere 200C Excavator	5	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Wilder excavated the pit for the disposal of water pipe containing asbestos wrap. The pit was excavated at the pre-determined location discussed during the last progress meeting. The dimensions of the pit are 49' x 54' x 6'. Wilder also buried the over size concrete located at the south end of the site at the pre-determined location.
2. Munitor began dismantling the steel structure of the shop building. All of the sheet metal has been removed.

NOTES/ISSUES
1. PGE installed the replacement utility pole outside the north fence line.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 17

Date: 05/24/05 Day: Tuesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 50 °F	Clean: _____
Part Cldy: x	Midday: 66 °F	Dusty: _____
Overcast: _____	Afternoon: 72 °F	Muddy: x
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Munitor Construction	3	Building Demolition
Performance Abatement Services	2	Water Pipe Asbestos Abatement

VISITORS

Time In	Time Out	Name	Representing	Remarks
10:25	14:00	Ryan Whitechurch	Ecology and Environment, Inc.	Surplus Equipment Pickup
11:00	12:57	Bob LaDuke	Oregon DAS	Surplus Equipment Pickup

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E 7 hours	None
Genie Lift (Munitor) 0 hours	
Backhoe Case 580 (Munitor) 6.5 hours	
450 Cat bulldozer 0 hours	
Hyster 210 Forklift 0 hours	
John Deere 200C Excavator 7 hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED

- Wilder separated and staged all non-asbestos water pipe for transport, and placed 224' of 8-inch and 124' of 4-inch pipe containing asbestos in the pit. Wilder also shipped the 3,000 gallon tank off-site via Munitor Construction vehicle. Wilder began demolition of the concrete floor of the old shop building.
- Munitor disassembled all the structural steel from the shop building and removed approximately 80% off site. Approximately 10% of sheet metal remains after today.
- Performance Abatement Services Inc. wrapped 224' of 8- inch and 124' of 4- inch pipe in accordance with work directive EE-WC-03.

NOTES/ISSUES

- Wilder and Munitor personal were requested by E&E to assist in loading the surplus equipment on to the transfer truck to ship off site.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 18

Date: 05/25/05 Day: Wednesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: x	Morning: 51 °F	Clean: x
Part Cldy:	Midday: 69 °F	Dusty:
Overcast:	Afternoon: 85 °F	Muddy:
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Ampere Electric Co.	2	Building Demolition
Performance Abatement Services	2	Water Pipe Asbestos Abatement

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	4	hours	None
Genie Lift (Munitor)	0	hours	
Backhoe Case 580 (Munitor)	0	hours	
450 Cat bulldozer	0	hours	
Hyster 210 Forklift	0	hours	
John Deere 200C Excavator	5	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Wilder placed pipe containing asbestos in the pit for onsite burial. Wilder performed a small amount of demolition on the concrete floor of the old shop building.
2. Munitor removed one (1) trailer load of sheet metal originating from the demolition of the shop build off-site.
3. Performance Abatement Services Inc. wrapped 426' of 8- inch and 43' of 4- inch pipe in accordance with work directive EE -WC-03.

NOTES/ISSUES
1. Ecology and Environment, Inc. and Wilder Construction conducted the weekly progress meeting.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 19

Date: 05/26/05 Day: Thursday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: x	Morning: 60 °F	Clean:
Part Cldy:	Midday: 79 °F	Dusty: x
Overcast:	Afternoon: 88 °F	Muddy:
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Performance Abatement Services	2	Water Pipe Asbestos Abatement

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E 7 hours	None
Genie Lift (Munitor) 0 hours	
Backhoe Case 580 (Munitor) 0 hours	
450 Cat bulldozer 0 hours	
Hyster 210 Forklift 0 hours	
John Deere 200C Excavator 7 hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED

- Wilder continued to place pipe containing asbestos wrap in the pit for burial. Wilder completed demolition of the old shop building floor and buried the concrete debris in the onsite disposal pit.
- Munitor removed (1) trailer load of structural steel originating from the demolition of the shop building.
- Performance Abatement Services Inc. wrapped 498' of 8- inch pipe in accordance with work directive EE -WC-03.

NOTES/ISSUES

- Ecology and Environment, Inc. and Wilder Construction conducted the weekly progress meeting.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 20

Date: 05/27/05 Day: Friday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: x	Morning: 54 °F	Clean:
Part Cldy:	Midday: 75 °F	Dusty: x
Overcast:	Afternoon: 85 °F	Muddy:
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	0	Prime Contractor
Performance Abatement Services	0	Water Pipe Asbestos Abatement

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	0	hours	None
Genie Lift (Munitor)	0	hours	
Backhoe Case 580 (Munitor)	0	hours	
450 Cat bulldozer	0	hours	
Hyster 210 Forklift	0	hours	
John Deere 200C Excavator	0	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
No work was performed today.

NOTES/ISSUES
None noted

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 21

Date: 05/31/05 **Day:** Tuesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 62 °F	Clean: x
Part Cldy: _____	Midday: 66 °F	Dusty: _____
Overcast: x	Afternoon: 69 °F	Muddy: _____
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	1	Prime Contractor
Performance Abatement Services	2	Water Pipe Asbestos Abatement

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE

Backhoe John Deer 310E	3	hours
Genie Lift (Munitor)	0	hours
Backhoe Case 580 (Munitor)	0	hours
450 Cat bulldozer	0	hours
Hyster 210 Forklift	0	hours
John Deere 200C Excavator	0	hours

MATERIALS DELIVERED TO SITE

None

NONCONFORMANCE NOTED

None noted.

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

None noted.

WHO WAS NOTIFIED?

WORK COMPLETED

- Performance Abatement Services Inc. has encapsulated 90% of all the asbestos wrapped water pipe. A total of 338' of 8" pipe was encapsulated today.
- Wilder transported and placed the encapsulated asbestos pipe in the pit for burial.

NOTES/ISSUES

- The asbestos abatement work should be completed on 6/01/05.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 22

Date: 06/01/05 Day: Wednesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 52 °F	Clean: _____
Part Cldy: x	Midday: 57 °F	Dusty: _____
Overcast: x	Afternoon: 62 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	1	Prime Contractor
Performance Abatement Services	2	Water Pipe Asbestos Abatement

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	1	hours	None
Genie Lift (Munitor)	0	hours	
Backhoe Case 580 (Munitor)	0	hours	
450 Cat bulldozer	0	hours	
Hyster 210 Forklift	0	hours	
John Deere 200C Excavator	5	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Performance Abatement Services Inc. completed encapsulating the asbestos wrapped water pipe. A total of 164' of 8" pipe was encapsulated today.
2. Wilder transported and placed the final sections of encapsulated asbestos pipe in the pit and backfilled to existing grade.

NOTES/ISSUES
1. The abatement of the water pipe wrapped with asbestos is 100% complete.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 23

Date: 06/02/05 Day: Thursday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 63 °F	Clean: _____
Part Cldy: _____	Midday: 67 °F	Dusty: _____
Overcast: x	Afternoon: 70 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Munitor	2	Transport for Scrape Metal

VISITORS				
Time In	Time Out	Name	Representing	Remarks
9:45	10:05	Michael Zeuge	Speedy Glass	Window Replacement
2:30	3:15	Heidi Bliske	DEQ	Well Inspection

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	2	hours	None
Genie Lift (Munitor)	0	hours	
Backhoe Case 580 (Munitor)	0	hours	
450 Cat bulldozer	0	hours	
Hyster 210 Forklift	0	hours	
John Deere 200C Excavator	7	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Wilder shipped out the 7,000 gallon tank as non-hazardous. Wilder also sorted and power washed the remaining non-hazardous water pipe and scrap metal for shipping tomorrow. Wilder began backfilling the debris pit.
2. Munitor transported the 7,000 gallon off site to Schnitzer Steel Products for recycle and staged the haul trailer for scrap steel.

NOTES/ISSUES
None

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 24

Date: 06/03/05 Day: Friday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: x	Morning: 54 °F	Clean: x
Part Cldy: x	Midday: 67 °F	Dusty:
Overcast:	Afternoon: 74 °F	Muddy:
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Munitor	0	Transport for Scrap Metal
Bobs's Metal Inc.	1	Transport for Scrap Metal

VISITORS

Time In	Time Out	Name	Representing	Remarks
1:37	3:49	Kevin Parrett	DEQ	Site Vist
2:30	3:15	Bryan Cieccko	Ecology And Environment, Inc.	Well Inspection

MAJOR EQUIPMENT CURRENTLY ON SITE

Backhoe John Deer 310E	2	hours
Genie Lift (Munitor)	0	hours
Backhoe Case 580 (Munitor)	0	hours
450 Cat bulldozer	0	hours
Hyster 210 Forklift	0	hours
John Deere 200C Excavator	7	hours

MATERIALS DELIVERED TO SITE

None

NONCONFORMANCE NOTED

None noted.

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

None noted.

WHO WAS NOTIFIED?

WORK COMPLETED

1. Wilder shipped out two roll-off containers of scrap metal and excavated water pipe to Schnitzer Steel Products. Wilder power washed and loaded up two additional roll-off containers of scrap metal for shipping.
2. Bob's Metal Inc. transported two roll-off containers to Schnitzer Steel Products for recycling.

NOTES/ISSUES

None noted.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 25

Date: 06/06/05 Day: Monday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 50 °F	Clean: _____
Part Cldy: x	Midday: 57 °F	Dusty: _____
Overcast: x	Afternoon: 61 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Munitor	1	Transport for Scrap Metal
Bobs's Metal Inc.	1	Transport for Scrap Metal

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:45	11:00	W. C Huglund	PGE	Inspection for removal of utility poles
8:45	11:00	Buddy Allen	PGE	Inspection for removal of utility poles

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E 1 hours	None
Genie Lift (Munitor) 0 hours	
Backhoe Case 580 (Munitor) 0 hours	
450 Cat bulldozer 0 hours	
Hyster 210 Forklift 0 hours	
John Deere 200C Excavator 6.5 hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED

1. Wilder shipped out two roll-off containers of scrap metal and water pipe to Schnitzer Steel Products. Wilder power washed and loaded up one additional roll off container of scrap metal for shipping. Wilder also excavated a hydrant located south of the soil pile.
2. Bob's Metal Inc. transported three roll-off containers to Schnitzer Steel Products for recycling.
3. Munitor transported one trailer load of scrap metal and water pipe to Schnitzer Steel Products for recycling.

NOTES/ISSUES

None noted.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 26

Date: 06/07/05 Day: Tuesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 50 °F	Clean: _____
Part Cldy: x	Midday: 55 °F	Dusty: _____
Overcast: x	Afternoon: 64 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Bob's Metal Inc.	1	Transport for Scrap Metal

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE

Backhoe John Deer 310E	4	hours
Genie Lift (Munitor)	0	hours
Backhoe Case 580 (Munitor)	0	hours
450 Cat bulldozer	0	hours
Hyster 210 Forklift	0	hours
John Deere 200C Excavator	5	hours

MATERIALS DELIVERED TO SITE

None

NONCONFORMANCE NOTED

None noted.

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

None noted.

WHO WAS NOTIFIED?

WORK COMPLETED

1. Wilder shipped out four roll-off containers of scrap metal and water pipe to Schnitzer Steel Products. These were the final shipments of scrap metal. Wilder loaded out 75% of the 55-gallon hazardous drums for shipping. Wilder also buried 50 % of the asphalt pile in the debris pit.
2. Bob's Metal Inc. transported three roll-off containers to Schnitzer Steel Products for recycling.
3. PGE removed and collected a sample from the non-PGE transformer. PGE also cut down two utility poles designated for removal.

NOTES/ISSUES

1. Philips Resourse and Recovery removed seven totes of hazardous material that were not on the old shop building inventory list.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 27

Date: 06/08/05 **Day:** Wednesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: X	Morning: 56 °F	Clean:
Part Cldy:	Midday: 63 °F	Dusty: x
Overcast:	Afternoon: 75 °F	Muddy:
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Bob's Metal Inc.	0	Transport for Scrap Metal

VISITORS

Time In	Time Out	Name	Representing	Remarks
13:00		Kevin Parrett	DEQ	Weekly Progress Meetings
13:10		John Montgomery	Ecology and Environment, Inc.	Weekly Progress Meetings
11:00		Alexander Whitman	Ecology and Environment, Inc.	Weekly Progress Meetings

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E 2 hours	None
Genie Lift (Munitor) 0 hours	
Backhoe Case 580 (Munitor) 0 hours	
450 Cat bulldozer 3 hours	
Hyster 210 Forklift 0 hours	
John Deere 200C Excavator 5 hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED

1. Wilder Construction downed and cut up two of the remaining three utility poles. Wilder loaded the wood from the utility into the Waste Management roll-off container. Wilder also buried all of the asphalt in the debris pit. Wilder transported two roll containers of hazardous scrap metal off site.

NOTES/ISSUES

The Progress Meeting was conducted today.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 28

Date: 06/09/05 **Day:** Thursday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: X	Morning: 57 °F	Clean:
Part Cldy:	Midday: 66 °F	Dusty: x
Overcast:	Afternoon: 77 °F	Muddy:
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Waste Management Inc.	1	Transport for wood from non hardous utility poles.

VISITORS				
Time In	Time Out	Name	Representing	Remarks
10:30	2:00	Susan Gardner	Ecology and Environment, Inc.	Upland Cap Project Review
13:10	3:30	John Montgomery	Ecology and Environment, Inc.	Upland Caap Project Review
11:00		Alexander Whitman	Ecology and Environment, Inc.	Upland Cap Project Review

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	4	hours	None
Genie Lift (Munitor)	0	hours	
Backhoe Case 580 (Munitor)	0	hours	
450 Cat bulldozer	0	hours	
Hyster 210 Forklift	0	hours	
John Deere 200C Excavator	6.5	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Wilder Construction began cutting up the 2,000 gallon tank. Wilder Wilder moved all the bio bags to the west end of the support facility pad. Wilder loaded out the remaining utility poles.

NOTES/ISSUES
A septic tank was discovered on the west side of the support facility pad when the bio bags were removed. The project engineer was made aware.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 29

Date: 06/10/05 **Day:** Friday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: <u>60</u> °F	Clean: _____
Part Cldy: <u>x</u>	Midday: <u>64</u> °F	Dusty: <u>x</u>
Overcast: _____	Afternoon: <u>71</u> °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	3	Prime Contractor
Waste Management Inc.	0	Transport for wood from non hardous utility poles.

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE

Backhoe John Deer 310E	4	hours
Genie Lift (Munitor)	0	hours
Backhoe Case 580 (Munitor)	0	hours
450 Cat bulldozer	0	hours
Hyster 210 Forklift	0	hours
John Deere 200C Excavator	3	hours

MATERIALS DELIVERED TO SITE

None

NONCONFORMANCE NOTED

None noted.

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

None noted.

WHO WAS NOTIFIED?

WORK COMPLETED

1. Wilder Construction cut the 2,000 gallon tank into half and buried it. Wilder demolished and loaded the liner and timbers of the containment area into the harzadous roll off container. Wilder also had chain link fencing installed at the site entrance. The backflow preventer vault was also installed.

NOTES/ISSUES

None noted.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 30

Date: 06/13/05 Day: Monday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 57 °F	Clean: _____
Part Cldy: x	Midday: 68 °F	Dusty: x
Overcast: _____	Afternoon: 75 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	1	Prime Contractor

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE		MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	2 hours	
Backhoe Case 580 (Munitor)	0 hours	
450 Cat bulldozer	0 hours	
John Deere 200C Excavator	2 hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Minimal activities were performed on this contract today. A few punch list items were handled and a roll-off box full of hazardous material was removed from the site. Wilder Construction's supervisor mistakenly signed the manifest. I informed Wilder to contact the handlers and inform them of the mistake. Wilder Construction disposed of some propane cylinders and light ballasts (PCB containing) that were found during the shop demolition that were not on the inventory list.

NOTES/ISSUES
None noted.

Prepared By: A. Murphy



ecology and environment, inc.

DAILY FIELD REPORT NO.: 31

Date: 06/15/05 **Day:** Wednesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: <u>53</u> °F	Clean: _____
Part Cldy: <u>x</u>	Midday: <u>67</u> °F	Dusty: <u>x</u>
Overcast: _____	Afternoon: <u>70</u> °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	1	Prime Contractor
Brundage-Bones	1	Pump Truck for grouting

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE	MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E 2 hours	13 cu. yds. of concrete from Glacier
Backhoe Case 580 (Munitor) 0 hours	
450 Cat bulldozer 0 hours	
John Deere 200C Excavator 2 hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. The abandoned in-place water line under the top soil stockpile was grouted today with approximately 12.5 cu. yds. of concrete. This amount was only 0.5 cu. yds. less than the calculated amount required.

NOTES/ISSUES
None noted.

Prepared By: A. Murphy



ecology and environment, inc.

DAILY FIELD REPORT NO.: 32

Date: 06/15/05 **Day:** Wednesday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 57 °F	Clean: _____
Part Cldy: x	Midday: 68 °F	Dusty: x
Overcast: _____	Afternoon: 75 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	1	Prime Contractor
Brundage-Bones	1	Pump Truck for grouting

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE			MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	2	hours	13 cu. yds. of concrete from Glacier
Backhoe Case 580 (Munitor)	0	hours	
450 Cat bulldozer	0	hours	
John Deere 200C Excavator	2	hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. The abandoned in-place water line under the top soil stockpile was grouted today with approximately 12.5 cu. yds. of concrete. This amount was only 0.5 cu. yds. less than the calculated amount required.

NOTES/ISSUES
None noted.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 33

Date: 06/16/05 **Day:** Thursday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: <u>59</u> °F	Clean: _____
Part Cldy: _____	Midday: <u>66</u> °F	Dusty: <u>x</u>
Overcast: <u>x</u>	Afternoon: <u>70</u> °F	Muddy: _____
Rain: <u>x</u>		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	0	Prime Contractor
	0	

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE		MATERIALS DELIVERED TO SITE
Backhoe John Deer 310E	0 hours	13 cu. yds. of concrete from Glacier
Backhoe Case 580 (Munitor)	0 hours	
450 Cat bulldozer	0 hours	
John Deere 200C Excavator	0 hours	

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. No Work Conducted Today

NOTES/ISSUES
None noted.

Prepared By: G. Jones



ecology and environment, inc.

DAILY FIELD REPORT NO.: 34

Date: 06/17/05 **Day:** Friday

Project Title: McCormick and Baxter Demolition & Removal
E & E Project No.: 001688.OY14.25

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 55 °F	Clean: _____
Part Cldy: x	Midday: 67 °F	Dusty: _____
Overcast: _____	Afternoon: 73 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	2	Prime Contractor
Burlington Environmental, Inc.	2	Hazardous Materials Haulers

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT CURRENTLY ON SITE		MATERIALS DELIVERED TO SITE	
Backhoe John Deer 310E	2 hours		
Backhoe Case 580 (Munitor)	0 hours		
450 Cat bulldozer	0 hours		
John Deere 200C Excavator	0 hours		

NONCONFORMANCE NOTED	WHO WAS NOTIFIED?
None noted.	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
None noted.	

WORK COMPLETED
1. Wilder construction loaded out 12 fifty-five gallon drums of hazardous liquid derived from the decontamination of the 7,000 gallon and 3,000 gallon tanks for transport to the designated disposal facility. Wilder also removed a small systems product pipe attached to MW36.

NOTES/ISSUES
1. All punch list items for the Demolition and Removal Contract have been addressed.

Prepared By: G. Jones

B

Field Communications and Change Orders

Note: This page intentionally left blank.



ecology and environment, inc.

International Specialists in the Environment

BUFFALO CORPORATE CENTER

368 Pleasant View Drive, Lancaster, New York 14086

Tel: 716/684-8060, Fax: 716/684-0844

August 29, 2005

Via UPS

Mr. Pat Turina
Wilder Construction, Inc.
6645 NE 78th Court, Suite C-10
Portland, Oregon 97218

Re: Supplemental Agreement No. 1688.OY14.27.41-A
McCormick & Baxter
ODEQ

Dear Mr. Turina:

Enclosed are three (3) unsigned copies of Ecology and Environment, Inc.'s, (E & E), Supplemental Agreement as referenced. Please have two (2) copies executed by the appropriate corporate officer and return them to my attention for execution by E & E.

A completed Supplemental Agreement will be returned for your file.

Should you have any questions, please do not hesitate to contact me at (716) 684-8060.

Sincerely,

Patricia M. McGuire
Administrative Assistant

PMM/ss
Enclosures

cc: J. Montgomery – E & E Portland, w/enc.
A. Whitman – E & E Seattle, w/enc.
File

SUPPLEMENTAL AGREEMENT

1688.OY14.27.41-A

THIS AGREEMENT, entered into this _____ day of _____, in the year 20 _____ by and between ECOLOGY AND ENVIRONMENT, INC., (E & E), and WILDER CONSTRUCTION COMPANY,

WITNESSETH:

WHEREAS, the parties entered into a prior Agreement on the 24th day of March 2005 for work under E & E's Contract with Oregon Department of Environmental Quality, which Agreement was duly assigned Subcontract Number 1688.OY14.27.41 and which Agreement the parties now desire to amend.

NOW, THEREFORE, the parties agree as follows:

The original Scope of Work, Exhibit 1, of said Subcontract is hereby amended to change the services described in Exhibit 1-A, attached hereto and incorporated by references herein. Similarly, Exhibit 2-A amends Exhibit 2, the Subcontractor's Price Schedule, and is attached hereto and incorporated by reference herein.

Exhibit 2-A modifies the original contract sum to decrease the committed costs, calculated on a unit price basis of \$(71,032.62).

The parties agree further that, except as specifically modified herein, the terms and conditions of Subcontract No. 1688.OY14.27.41 remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have made and entered into this Agreement as of the day and year last executed by either party hereto, as indicated below.

Agreed To And Accepted:

WILDER CONSTRUCTION COMPANY

ECOLOGY AND ENVIRONMENT, INC.

By: _____
(Signature)

By: _____
Ronald L. Frank
Executive Vice President

Name: _____
(Please Print)

Title: _____

Date: _____

Date: _____

EXHIBIT 1-A

McCORMICK and BAXTER SUPERFUND SITE SUPPORT FACILITY MODIFICATIONS SUBCONTRACT BETWEEN B & B and WILDER CONSTRUCTION CHANGE ORDER NO. 1

The Contract Documents are hereby changed as follows.

1. Asphalt Paving

Asphalt Paving (Section 02510 of Specifications) is deleted from the subcontract. Periodic and final grading of the pad shall be performed under the Upland Cap contract.

2. Chain-Link Fence

Installation of new chain-link fence and reinstallation of existing chain-link fence (Section 02821 of Specifications) is deleted from the subcontract. The work will be performed under the Upland Cap contract.

3. Waste Holding Tank

The existing waste holding tank shall be decontaminated with bleach and disposed of. A new tank, suitable for above ground storage of septic waste and capable of fitting beneath a trailer shall be furnished and connected.

4. Electrical Conduit.

In lieu of the plastic-coated Rigid Steel Conduit (RGS) specified in Section 16105, provide schedule 40 PVC conduit beneath the access road and pad. Additionally provide EMT conduit in the new shop building at elevations 4 feet and higher above the finished floor.

5. Garage Doors.

Prime-painted steel garage doors may be substituted for the corrosion resisting steel doors specified in Section 13120.

6. Lightning Protection.

Delete the requirement to furnish air terminals and cabling (Section 16601). The proximity of the luminaire obviates the need for air terminals.

7. Contract Price.

In accordance with the attached itemized list, the Contract Not-To-Exceed price is changed from \$408,000.00 to \$336,967.38.

EXHIBIT 2-A

McCORMICK and BAXTER SUPPORT AREA MODIFICATIONS CHANGE ORDER NO. 1

SCOPE OF WORK CHANGE

Item	Description	Price Increase	Price Decrease
1	Delete requirement to pave with asphalt		-\$42,000.00
2	Delete requirement to provide chain-link fence		-\$25,000.00
3	Provide New Sanitary Holding Tank beneath trailer with toilet. Chlorinate old holding tank and dispose.	\$467.38	
4	Use PVC Conduit and bury conduit beneath access road. Use EMT in new shop at 4' and higher above Finished Floor elevation.		-\$3,500.00
5	Provide primed non-corrosion resasting steel garage doors in lieu of CRES doors.		-\$1,000.00
6	Increase in Reinforced Concrete Volume from 56 CY to 58.40 CY at the Bid Unit Price of \$500.00/CY	\$1,200.00	
7	Delete Air Terminals and cabling		-\$1,200.00
<u>Basis Notes</u>			
(1) Based on Schedule of Values submitted by Wilder at start of job.			
(2) Quote Provided by Wilder in e-mail. Wilder quote in e-mail 6/24/05 referencing www.quadel-i-l.com. Phone quote price confirmed \$327.71 plus \$71.76 freight to Portland.			
(3) Wilder quote in e-mail 4/8/05			
(4) Wilder Offer in e-mail			
(5) Wilder Offer Verbal			
		\$1,667.38	-\$72,700.00
Net Change to Contract		-\$71,032.62	
Contract Amount Before Change Order No. 1		\$408,000.00	
Final Contract Amount		\$336,967.38	

McCORMICK and BAXTER SUPERFUND SITE
DEMOLITION AND REMOVAL
SUBCONTRACT BETWEEN E & E and WILDER CONSTRUCTION
CHANGE ORDER NO. 2

The Contract Documents are hereby changed as follows.

1. Price Sheet.

The price sheet is modified from the price sheet in Change Order No. 1 to reflect changes in the Force Account work.

2. Force Account Work.

As agreed verbally between Wilder Construction, E & E, and Oregon DEQ, Force account work will be accounted for using the same methods as Oregon DOT uses. This method has been agreed to by the client and is to be used for E & E's subcontracts as well as the Upland Cap contract held by the client.

The methodology was incorrectly applied in Change Order No. 1. Corrections are indicated in this Change Order No. 2.

The changes are:

- Davis-Bacon (or higher if actually paid) wages (without fringes) are used as the base labor rate. The price per labor hour is determined by multiplying the base wage rate per hour times two.
- Equipment prices were not included in Change Order No. 1.

McCormick and Baxter
Demolition and Removal
Final Price Sheet

Item	Description	Quantity	Unit	Unit Price	Total Amount
1a	Mobilization and Demobilization	Job	LS		\$38,000.00
2a	Shop Building Demolition	Job	LS		\$25,000.00
2b	Storage Tanks Removal	Job	LS		\$13,000.00
2c	Connex Box Relocation	Job	LS		\$5,000.00
2d	Concrete Demolition and On-site Disposal	Job	LS		\$5,000.00
2e	Well Abandonment	934	LF	\$52.00	\$48,568.00
2f	Water Lines Removal	4,906	LF	\$5.00	\$24,530.00
2g	Waterline Abandonment In-Place	Job	LS		\$5,000.00
2h	Gas Lines Removal	47	LF	\$20.00	\$940.00
2i	Utility Pole Removal	7	Each	\$250.00	\$1,750.00
2j	Sheet Pile Removal	Job	LS		\$1.00
3a	Haz Waste Liquid and Solid Disposal	17.88	Tons	\$600.00	\$10,728.00
3b	Non-Haz Waste Disposal	25.44	Tons	\$100.00	\$2,544.00
3c	Scrap Steel Recycle	57.03	Tons	-\$50.00	-\$2,851.50
4	Force Account Work	See Attached Sheet			\$19,934.35
TOTAL Final Subcontract Price					\$197,143.85
Original NTE Subcontract Price					\$158,361.00
Net Increase					\$38,782.85
Price NTE CO#1					\$192,233.40
Price NTE CO#2					\$197,143.85
Increase CO#1 to CO#2					\$4,910.45

McCormick and Baxter
Demolition and Removal
Force Account Summary

		Personnel		Equipment		
Date	Activity Description	Type	Hours	Type	Operated	Standby
5/5/2005	Waterline Break	Superintendent	2.5	PU Truck	2.5	
		Operator	2.5	Excavator	2.5	
		Laborer	2.5	Backhoe		2.5
5/6/2005	Waterline Break	Superintendent	3.0	PU Truck	3.0	
		Operator	1.0	Excavator	1.0	
		Laborer	1.0	Backhoe		1.0
5/11/2005	Dump Drum Soils	Superintendent	5.0	PU Truck	5.0	
		Operator	5.0	Excavator	4.0	1.0
		Laborer	5.0	Backhoe	1.0	4.0
5/12/2005	Waterline Repair	Superintendent	3.0	PU Truck	3.0	
		Operator	3.0	Excavator	3.0	
		Laborer		Backhoe		
5/12/2005	Drum Soil Disposal	Superintendent	1.5	PU Truck	1.5	
		Operator	1.5	Excavator	1.5	
		Laborer	1.5	Backhoe	1.5	
5/19/2005	Extend Decon Pad	Superintendent		PU Truck		
		Operator	2.0	Excavator		
		Laborer		Backhoe	2.0	
5/23/2005	Excavate Rubble Burial ACM Pipe Burial Pit	Superintendent	5.0	PU Truck	5.0	
		Operator	7.0	Excavator	7.0	
		Laborer	4.0	Backhoe	4.0	
5/24/2005	ACM Pipe Load ODEQ Items	Superintendent	2.0	PU Truck	2.0	
		Operator	9.0	Excavator	9.0	
		Laborer	8.0	Backhoe	8.0	
5/25/2005	ACM Pipe Disposal	Superintendent	2.0	PU Truck	2.0	
		Operator	5.0	Excavator	5.0	
		Laborer	5.0	Backhoe	5.0	
5/26/2005	ACM Pipe Disposal	Superintendent		PU Truck		
		Operator	3.0	Excavator	3.0	
		Laborer	3.0	Backhoe	3.0	

McCormick and Baxter
Demolition and Removal
Force Account Summary

		Personnel		Equipment		
Date	Activity Description	Type	Hours	Type	Operated	Standby
5/31/2005	ACM Pipe Disposal	Superintendent	1.0	PU Truck	1.0	
		Operator	3.0	Excavator	3.0	
		Laborer		Backhoe		
6/1/2005	ACM Pipe Disposal	Superintendent	1.0	PU Truck	1.0	
		Operator	8.0	Excavator	6.0	2.0
		Laborer	8.0	Backhoe	5.0	3.0
6/2/2005	Decon Drums	Superintendent		PU Truck		
		Operator		Excavator		
		Laborer	3.0	Backhoe		
6/7/2005	Move Transformer Move ACP Debris	Superintendent	0.5	PU Truck		
		Operator	2.0	Excavator		
		Laborer		Backhoe	2.0	
6/8/2005	Bury ACP Rubble	Superintendent		PU Truck		
		Operator	2.0	Excavator	2.0	
		Laborer	2.0	Backhoe	2.0	
6/9/2005	Cut 2000 gal Tank	Superintendent	1.5	PU Truck		
		Operator	0.5	Excavator		0.5
		Laborer	1.0	Backhoe	1.0	
6/10/2005	Bury 2000 gal Tank Load Misc. from Grading Cut Rails	Superintendent		PU Truck		
		Operator	4.0	Excavator	3.0	1.0
		Laborer	2.5	Backhoe	2.0	0.5
TOTALS		Superintendent	28.0	PU Truck	26.0	0.0
		Operator	58.5	Excavator	50.0	4.5
		Laborer	46.5	Backhoe	36.5	11.0

Worker	Wage Rate w/o Fringe	Multiplier	Billing Rate	Hours	Total
Superintendent	\$28.28	2.0	\$56.56	28.0	\$1,583.68
Operator	\$27.78	2.0	\$55.56	58.5	\$3,250.26
Laborer	\$24.25	2.0	\$48.50	46.5	\$2,255.25

McCormick and Baxter
Demolition and Removal
Force Account Summary

Date	Activity Description	Personnel		Equipment		
		Type	Hours	Type	Operated	Standby

Subtotal-Labor	\$7,089.19
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PU Truck	\$9.17	26.0	\$238.42
Excavator	\$62.14	50.0	\$3,107.00
Backhoe	\$23.33	36.5	\$851.55

Subtotal-Equipment	<u>\$4,196.97</u>
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17% Markup on Equipment	<u>\$713.48</u>
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Total-Labor and Equipment	<u>\$11,999.64</u>
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Sub-Subcontract

PGE (Price justification in a previous e-mail.)

Invoice Amount		\$1,960.00
Markup	17%	<u>\$333.20</u>
		<u>\$2,293.20</u>

PSA

Hourly Rates Bid Competitively

Laborers@	\$48.00	37.0	\$1,776.00
Supervisors@	\$52.00	39.0	<u>\$2,028.00</u>
			<u>\$3,804.00</u>
Materials (Itemized)			\$777.04
Sub-Sub Markup		10%	<u>\$77.70</u>
Subtotal			<u>\$4,658.74</u>
Insurance		3.5%	<u>\$163.06</u>
			<u>\$4,821.80</u>
Markup		17%	<u>\$819.71</u>
			<u>\$5,641.51</u>

Total Sub-Subcontracts	\$7,934.71
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TOTAL	\$19,934.35
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SUPPLEMENTAL AGREEMENT REQUEST FORM

TO: Trish McGuire (HQ)

FROM: A. Whitman

OFFICE: Seattle

DATE: September 1, 2005

Date this work is scheduled to begin: Work is complete

ADEQUATE TIME SHOULD BE ALLOWED FOR PROCESSING.

Please include all of the following that apply:

- Subcontractor Name Wilder Construction, Inc.
- Project/Site Name McCormick and Baxter Demolition and Removal
- Subcontractor Contact Person Pat Turina
- Subcontractor Phone Number 503-255-1444
- Subcontractor Street Address 6645 NE 78th Court, Suite C-10, Portland, OR 97218

Subcontract No.

- E & E Job Charge Number 001688.QY14.27.45

Type of Supplemental Agreement, (Check One):

___ Task Order to BOA: Amount _____ Cost Type (e.g. T&M, Fixed Price) _____

X Cost Change: Previous Total \$192,233.40 Amount of Change \$4910.45 Revised Total \$197143.85

Cost Type (e.g. T&M, Fixed Price) _FP_

___ Other: Please explain.

E & E Entity holding the Subcontract Ecology and Environment, Inc.

Does the work involve engineering or engineering related services? X Yes No

The following Subcontract specifics must be provided:

- Amended Scope of Work, including brief project description typed as it is to appear in the Agreement ⁽¹⁾
- Amended Cost Information, typed as it is to appear in the Agreement ⁽¹⁾⁽²⁾
- If Engineering related obtain approval by Director of Engineering and provide copies of this form to Staff Attorney

⁽¹⁾ Original Subcontract Agreements include Exhibit 1 (Scope of Work) and Exhibit 2 (Cost Information); for Supplemental Agreement, Exhibits are labeled 1-A and 2-A for the first Supplemental Agreement, 1-B and 2-B for the second Supplemental Agreement, etc.

⁽²⁾ Amended cost information should be for add-on amount only, not cumulative amount.

Approved by Project Manager:

Signature

Printed Name

Approved by Project Director:

Signature

Printed Name

Approved by Director of Engineering:

Signature

Printed Name

C Photodocumentation

Note: This page intentionally left blank.



Photo 1 On-site disposal pit.
Direction:



Photo 2 Hazardous material from shop building being placed in super sacks for off-site disposal.
Direction: Southwest



Photo 3 Shop siding being removed.
Direction: West



Photo 4 Shop building with siding removed.
Direction: West



Photo 5 Shop building with siding removed.
Direction: East



Photo 6 Asbestos pipe being placed on 6 mil plastic sheeting as part of the asbestos abatement.
Direction: West



Photo 7 Asbestos pipe being wrapped by PAS, Inc. in two layers of 6 mil plastic sheeting.
Direction: West



Photo 8 Close up of asbestos pipe completely wrapped in two layers of plastic sheeting.
Direction:



Photo 9 Asbestos hazard label affixed to each wrapped pipe.
Direction:



Photo 10 Disposal pit for buried asbestos pipe after it has been wrapped. Located in N corner of site.
Direction: Northwest